

ARMATURE OF FLAT MOTOR

Patent Number: JP61161946
Publication date: 1986-07-22
Inventor(s): FUJISAKI KIYONORI; others: 01
Applicant(s): KIYONORI FUJISAKI; others: 01
Requested Patent: ☐ JP61161946
Application Number: JP19850001884 19850109
Priority Number(s):
IPC Classification: H02K23/54
EC Classification:
Equivalents:

Abstract

PURPOSE:To increase the magnetic flux density and to increase a rotary force by bonding magnetic material split plates to the opposed surfaces of permanent magnets of a plurality of armature coils, and bonding a magnetic disk over the entire coil on the surfaces of opposite side.

CONSTITUTION:In a flat motor in which a flat armature 2 and a permanent magnet 4 are opposed through an axial air gap, a plurality of armature coils 34 are formed by winding conductive wires or foils 33 on a core 9. A split plate 35 made of a magnetic material is bonded at each coil 34 on the surface of the side opposed to the magnet 4 of the coil 34. Further, a magnetic material disk 36 is bonded over the entire coil on the surface of the coil 34 of opposite side to form a magnetic circuit. Thus, since an air gap between motor cases 6 and 7 is displaced from the magnetic circuit, a floating magnetic flux can be reduced.

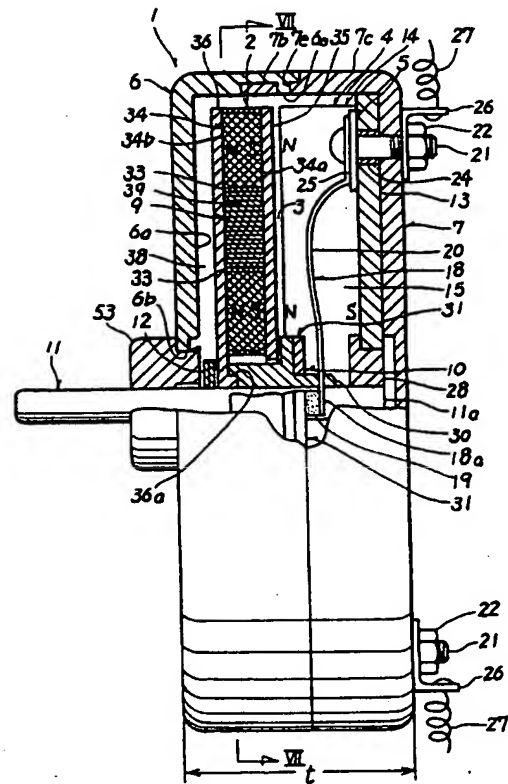
Data supplied from the esp@cenet database - I2

BEST AVAILABLE COPY

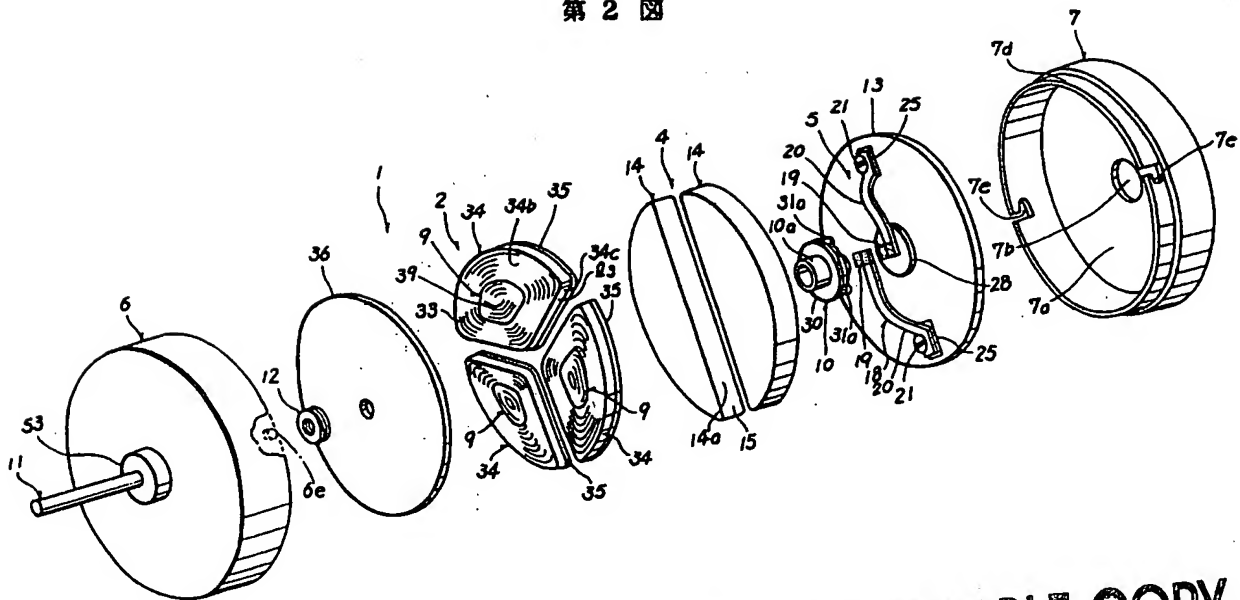
第 1 図

ップ、4 は界磁用永久磁石、9 は鉄心、33 は導
電線又は導電箔、34 は電機子コイル、34 a は
表面、34 b は裏面、35 は分割板、36 は円板
である。

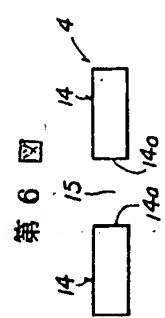
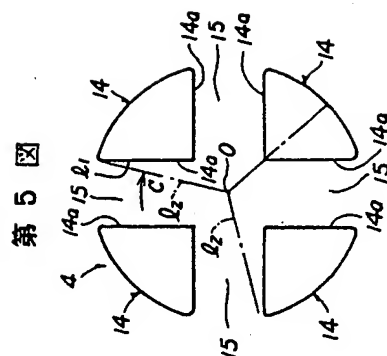
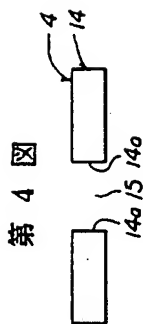
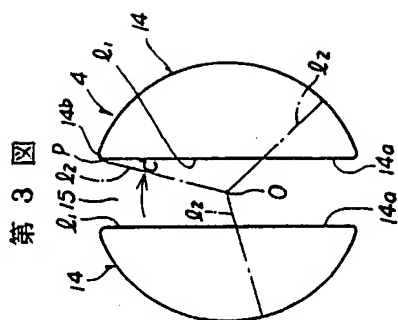
特許出願人 藤 崎 清 則
" 小 林 寿 夫
代 理 人 弁 理 士 内 田 和 男



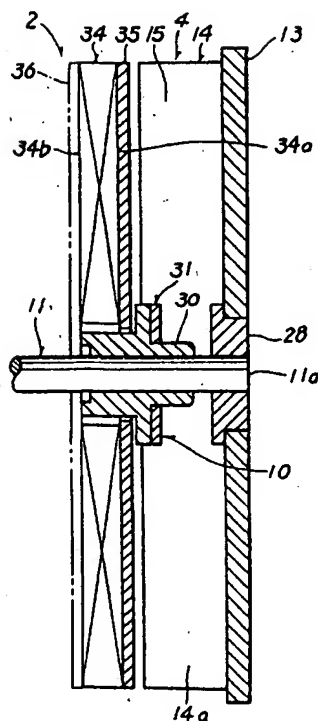
第 2 図



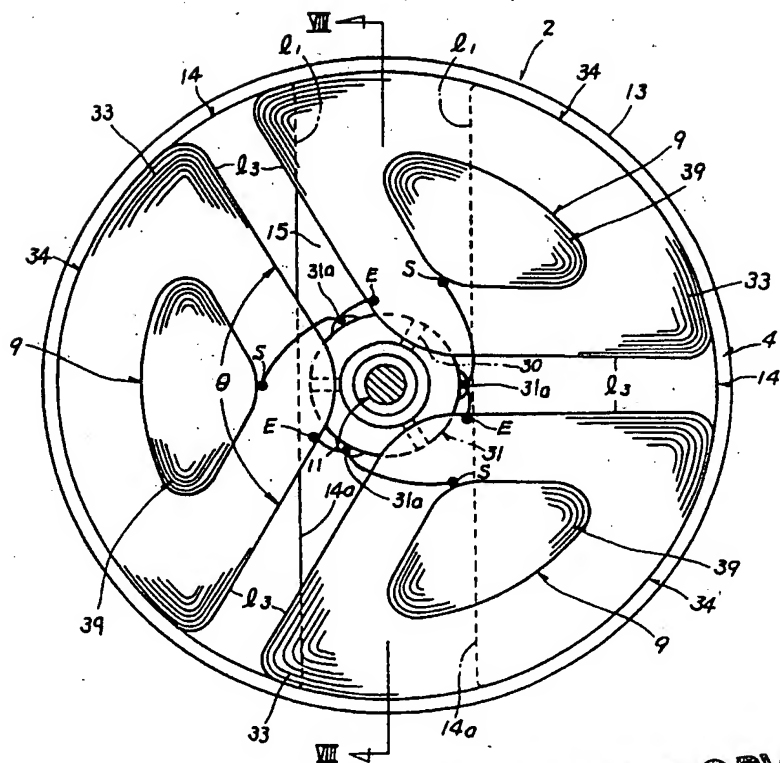
BEST AVAILABLE COPY



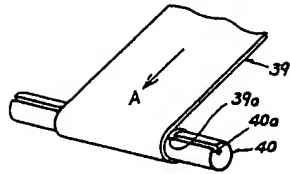
第 8 図



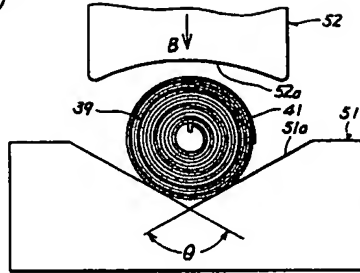
第 7 図



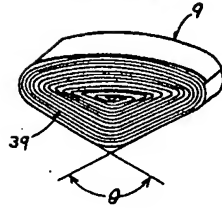
第 9 図



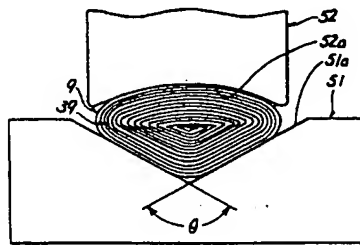
第 10 図



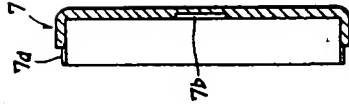
第 12 図



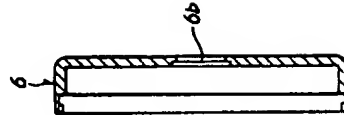
第 11 図



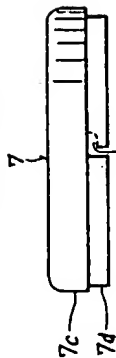
第 15 図



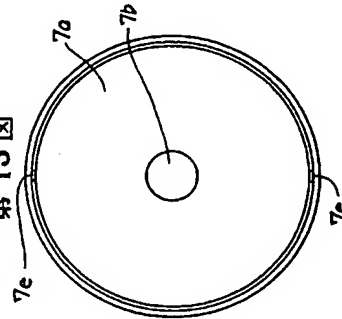
第 18 図



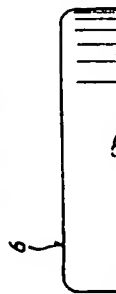
第 14 図



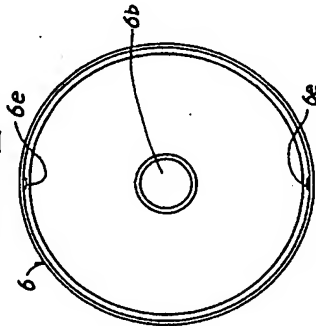
第 13 図



第 17 図



第 16 図



BEST AVAILABLE COPY